

Appl. No. : 09/553,586  
Filed : April 20, 2000

A<sup>17</sup>  
name attributes including the name space designation may be sent to a client's browser where it may be incorporated by the browser into a name-value pair when transferring data back to the control.

---

IN THE CLAIMS:

Please cancel claims 1-13.

Please replace the following claims as indicated:

---

Sub B<sup>1</sup>  
14. A computer program product comprising:  
a computer usable medium having computer readable program code embodied therein for using a name space in generating a graphical user interface (GUI) comprising:  
computer readable program code configured to cause a computer to generate a unique name space designation computer readable program code;  
computer readable program code configured to cause a computer to associate said unique name space designation with a control implemented with said control program code;  
said computer readable control program code configured to cause a computer to use said unique name space designation to generate a plurality of definitional statements for said GUI and identify said control with which said unique name space designation is associated.

A<sup>18</sup>

15. The computer program product of claim 14 wherein said computer readable configured program code further comprises:  
computer readable program code configured to cause a computer to generate a label to be associated with data, said label including said unique name space designation.

Appl. No. : 09/553,586  
Filed : April 20, 2000

16. The computer program product of claim 15 further comprising:  
computer readable program code configured to cause a computer to associate said label with  
said data;  
computer readable program code configured to cause a computer to identify said computer  
readable control program code as recipient of said data using said unique name space designation  
in said label.

20. The computer program product of claim 14 wherein said GUI comprises a plurality of  
GUI elements, one of said plurality of GUI elements is defined as being within another of said  
plurality of GUI elements, said computer readable program code configured to cause a computer to  
associate further comprises:

computer readable program code configured to cause a computer to associate a first unique  
name space designation with a first computer readable control program code configured to generate  
definitional statement for said another of said GUI element;

computer readable program code configured to cause a computer to associate a second unique  
name space designation with a second computer readable control program code configured to  
generate definitional statements for said one of said plurality of GUI elements, said second unique  
name space designation including said first unique name space designation.

Appl. No. : 09/553,586  
Filed : April 20, 2000

Please add the following new claims as indicated:

Sub B  
21. In a computer system, a method of using a name space in generating a graphical user interface (GUI) comprising:

modeling a component of a graphical user interface (GUI) as a control, said control implemented as program code; and

generating at least one definitional statement for said component of said GUI using said program code, said definitional statement including at least one attribute for said component of said GUI, said at least one attribute including a unique name space designation, said unique name space associated with a particular control and capable of identifying said control.

A 20  
22. The method of claim 21 wherein said generating step includes generating a label to be associated with data, said label including said unique name space designation.

23. The method of claim 22 further comprising:  
associating said label with said data; and  
identifying said program code as recipient of said data using said unique name space designation in said label.

24. The method of claim 21 wherein said program code is an object-oriented object.

**Appl. No.** : 09/553,586  
**Filed** : April 20, 2000

25. The method of claim 21 wherein said at least one definitional statement is a Hypertext Markup Language statement.

26. The method of claim 21 further comprising the step of generating a design for said GUI, said design identifying a plurality of GUI components.

27. The method of claim 26 wherein a first of said plurality of GUI components in said design is located within a second of said plurality of GUI components, wherein said unique name space designation is associated with said second of said components and including the step of generating at least one definitional statement for said first component of said GUI using program code, said definitional statement including at least one attribute for said first component of said GUI, said at least one attribute comprising first unique name space designation which includes said name space designation associated with said second of said components.

28. A graphical user interface (GUI) system comprising:  
a processor;  
program code coupled to said processor, said program code configured to generate at least one definitional statement for a component of said GUI; and  
said definitional statement including at least one attribute for said component of said GUI, said at least one attribute including a unique name space designation, said unique name space

**Appl. No.** : 09/553,586  
**Filed** : April 20, 2000

designation associated with a particular control which is implemented by said program code and capable of identifying said particular control.

29. The system of claim 28 wherein said at least one definitional statement includes a name attribute, said name attribute specifying a data label containing said unique name space designation.

30. The system of claim 29 further comprising a browser configured to generate a name-value pair, said name portion of said name-value pair including said label.

31. The system of claim 30 further comprising a page control configured to examine said name portion of said name-value pair and to direct said name-value pair to said program code based on said name space designation in said name portion.

32. The system of claim 28 wherein said control is an object-oriented object.

33. The system of claim 28 wherein said control is a Java Bean.

---

REMARKS

This is in response to the Office Action mailed October 22, 2002.

By this Response, Applicants have canceled claims 1-13, have amended claims 14-16, and have added new claims 21-33. Claims 14-33 are pending after this response.